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R	EISSUE APPLICATION DECLARATION B	V THE ASS	ICNEE	Docket Number (optional)		
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The residence mailing address and either this is the investor and the inve						
The residence, mailing address and citizenship of the inventors are stated below. I am authorized to act on behalf of the following assignee: PATENT ATTORNEY				1		
				represented by the secretary of the Arm		
an	nd the title of my position with said assignee is: Office of the Staff Judge Advocate U.S. Army Medical Research & Materiel Command					
The entire title to the patent identified below is vested in said assignee.						
In	ventor		Citizensh	ip		
l':	iul R. Burnett		us			
	esidence/Mailing Address					
	616 Wendover Road, Silver Spring, MID 20904 US					
1	ventor da E. VanHamont	,	Cilizenshi	qi		
			US			
	esidence/Mailing Address 518 Mustang Ridge, Converse, Texas 78109 US					
	Additional Inventors are named on separately num	nbered sheets a	attached I	nerelo.		
Pat	ent Number	Date of Pate	nt Issued			
5,70	52,965	June 9, 1998				
l be	elieve said inventor(s) to be the original and first inve	entor(s) of the s	subject ma	atter which is		
	scribed and claimed in said patent, for which a reissu					
Vac	cines Against Intracellular Pathogens Using Antigens Encap	osulated Within I	Godegrada	ble-Biocompatable Microspheres		
ihe	specification of which					
	is attached hereto.					
	was filed on June 2, 2000 as reissue app	olication numbe	er 09	/ 586,747		
	and was amended on10/23/02, 9/27/04, 4/20/06					
Lbo	(If applicable)					
ame	eve reviewed and understand the contents of the aboundered by any amendment referred to above.	ove identified s	pecification	on, including the claims, as		
	knowledge the duty to disclose information which is	material to pat	entability	as defined in 37 CFR 1 56		
	I hereby claim foreign priority benefits under 35 t PTO/SB/02B (or equivalent) listing the foreign ap	J.S.C. 119(a)-(
l ve belo	rily believe the original patent to be wholly or partly in DW. (Check all boxes that apply.)		nvalid, for	the reasons described		
	by reason of a defective specification or drawing.					
	by reason of the patentee claiming more or less t		e right to d	claim in the patent.		
\triangleright	by reason of other errors.		-	·		

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 30 minutes to complete, including galbering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO:

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်မှိ nder the Paperwork Redu	ction Act of 1995, no persons are required to respon	U.S. Pate	ent and Traderr	nark Office: U.S. E	DEPARTM	2007, OMB 0651-00 ENT OF COMMER(OMB control number	
	PPLICATION DECLARATION BY T				Number (
At least one error	upón which reissue is based is described	d as follow	rs:			1100	
Improper multiple Spelling errors	Improper multiple dependent claims7, 11, 13						
Correction of Drav	wing description.						
	[Attach additional she						
	d in this reissue application arose without a	any decept	ive Intention	on the part of	the appl	licant.	
Practitioners	I hereby appoint: Practitioners associated with Customer number:			30951			
OR Practitioner((s) named below:						
	Name		Re	egistration Nur	mber		
United States Pal	ey(s) or agent(s) to prosecute the applicat lent and Trademark Office connected the	erewith.	· · · · · · · · · · · · · · · · · · ·	and to transac	ct all bus	iness in the	
1 () (3	Address: Direct all communications about	ut the appli	ication to:				
OR	associated with Customer Number:						
Firm or Individual Name	Individual C.S. Army Medican Research and Materiel Command						
Address	504 Scott Street						
City	Fort Detrick		State	MD	Zip	21702	
Country	US				·		
Telephone	301 619-7808		Email	elizabeth.ar	wine@a	medd.army.mi	
WARNING: Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identify theft. Personal Information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unloss a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an Issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.							
bolief are believed to like so made are pur	t all statements made herein of my own know be true; and further that these statements we alshable by fine or imprisonment, or both, en- y of the application, any patent issuing thereon	ere made wi nder 18 U.S	ith the knowle S.C. 1001, an	edge that willful nd that such wil	l false sta liful false	itements and the statements may	
Signature Elizahe	th Arune		Date	Decemb	01.2	.007	
	on signing (given name, family name)			Julia	<u>vv -</u>	,	
Elizabeth Arwine							
Address of Assign	ee U.S. Army Medical Research and Ma 504 Scott Street, Fort Detrick, MD 21		nmand				



Reissue Application Declaration by the Assignee Supplemental Sheet Naming Additional Inventors

Inventors Names and Residences

Robert H. Reid BO Box 531 Fairfield, PA 17320 USA

Jean Setterstrom 700 Hampton Trace Lane Alpharetta, GA 30004 USA

Thomas C. Van Cott 19108 Mount Airey Road Brookeville, Maryland 20833 USA

Deborah L. Birx 8505 White Post Court Potomac, MD 20854 USA



Vacc	ines Against Intracellular Pathogens Using Antigens
Tide of Invention: Enca	psulated Within-Biodegradable-Biocompatible Microspheres
Paul R. Burnett Inventor(*): Thomas	, John-E. Van Hamont, Robert H. Reid, Jean A. Setterstrom, C. Van Cott, Debrah L. Birx
*Application Serial No.:	
*Date Oath Executed:	*Filing Date: February 9, 1996
	(*Date not known at execution may be added for better identification.)
virture of the circumstance	d inventor(s), in consideration of the rights of the Government of the United States acquired by es under which the above-entitled invention was made, hereby:
and interest throughout the and application for patent application and any reissu	overnment of the United States, as represented by the Secretary of the Army, the entire right, title to United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said e or extension of said Letters Patent.
which the Government, wepplication to be filed; pro- foreign country or fails' to in such foreign country shin any patent which may is behalf of the Government	Ito the Government upon its request, title and interest in the invention in those foreign countries in ithin eight months of the filing of the United States application for patent, determines to cause an wided that if the Government determines not to cause an application to be filed in any particular make such a determination, within the said eight months, all right, title and interest in the invention all remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government assue on the invention in such foreign country, including the power to issue sublicenses for use in and/or furtherance of the foreign policies of the Government.
necessary to the prosecut	a any further information within my (our) knowledge and to execute any further documents ion of patent applications on the invention, the prosecution and sattlement of interferences and applications and patents issuing thereon.
Signature of Inventor:	Paul R. Burnett Constitution (Middle Initial) (Last name) Paul R. Burnett Constitution (Siate) (Siate)
Date: 20 Av	Just 1996 Typed Name of Inventor: Paul R. Burnett
State of Maryland County of Montgomer) ss.
On the above date and who executed the fore act and deed.	Rul R. Burnett known to me to be the individual described in going instrument duly appeared before me and acknowledged to me that the same as his own free
(SEAL)	Mary K. Hall 1Signature of notary public!
	My Commission expires on1 June 2000

Vaccines Against Intracellular Pathogens Using Antigens
Encapsulated Within Biodegradable-Blocompatible Microspheres
Paul R. Burnett, John E. Van Hamont, Robert H. Reid, Jean A. Setterstrom,
inventor(e): Themas C Van Cott Dehrah I. BITX
*Application Serial No.: U8/396,674
*Date Oath Executed: 8/7/96 *Filing Date: February 9, 1996
(*Data not known at execution may be added for better identification.)
I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virture of the circumstances under which the above-entitled invention was made, hereby:
1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.
Signature of Inventor: First name Widdle Initial ILest name John E. Van Hamont
(First name) (Middle Initial) (Last name) Lohn F. Van Hamont
John E. Van namone
Duty Address: DRD - WRAIR, Bldg 2832, Ernie Pyle Road, Ft. Meade, MD 20755 (Locality) (County) (State)
(LOCBILLY)
Date: 7 Acce 1996 Typed Name of Inventor:
<u> </u>
9/11.
State of Virginia) SS. County of Continue)
County of Cl. Linguist 1
On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.
Diane R. Winter
(SEAL) (Signature of notary public)
My Commission expires on Clan 30 2, 000

The Astronomy
Vaccines Against Intracellular Pathogens Using Antigens Tide of Invention: Encapsulated Within Biodegradable-Biocompatible Microspheres Tide of Invention: Encapsulated Within Biodegradable-Biocompatible Microspheres
Paul R. Burnett, John E. Van Hamont, Robert H. Reid, Jean A. Setterstrom,
inventor(a): The and C. Vom Cott Debrah J. Birx
*Application Sarial No.: U0/390,074
*Date Oath Executed: 8/7/96 *Filing Date: February 9, 1996
(*Data not known at execution may be added for better identification.)
I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by writure of the circumstances under which the above entitled invention was made, hereby:
 Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.
2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and sentement of interferences and recording of title to patent applications and patents issuing thereon.
Signature of Inventor: First name Middle Initial Rest name Reid
Home Buty Address: 48 Lakeside Trail, C.V., P.O. Box 531, Fairfield, PA 17320 (County) (State)
Date: 7 /wg 1896 Typed Name of Inventor:
State of Verginia) SS. County of Arlington) SS.
On the above date known to me to be the individual described in end who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.
Deane Quenter
(SEAL) (Signature of notary public)
My Commission expires on April 30, 2, 000

ASSIGNMENT OF INVENTION

For use of this form, see AR 27-60; the proponent agency is OTJAG

r			thogens Using Antigens Biocompatible Microspher	
Inventor(s): Thomas	C. van Cott, De	łamont, Robert H. brah Birx	Reid, Jean A. Setterstro	m,
*Application Serial No.:	08/598,874			
*Date Oath Executed:		*Filing Date: Fe	bruary 9, 1996	
		ecution may be added for be		
I (We), the undersign writure of the aircumstan	ned inventor(s), in considera nces under which the above	ation of the rights of the Gov e-entitled invention was made	remment of the United States ecquired by e, hereby:	
and interest throughout and application for pater application and any reiss	the United States, its Terri nt and all Latters Patent iss sue or extension of said Let	tories, Possessions, and Puer uing thereon, and any contin tters Patent.	is Secretary of the Army, the entire right, to nto Rico, in and to the above-entitled inventi uation, continuation-in-part or division of sa	⊭d ion
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Signature of Inventor:	Jean	a.	Setterstron	
Signature of Inventor:	(First name)	A . (Middle Initial)	(Last name)	
Signature of Inventor:	(First name) Jean	A . (Middle Initial) A .	(Last name) Setterstrom	
Signature of Inventor:	AFirst name) Jean r Reed Army Inst	A. iMiddle Initiali A. itue of Research	(Last name) Setterstrom	
Signature of Inventor:	Jean r Reed Army Inst	A. (Middle Initial) A. Litue of Research (County)	(Last name)	
Dury Address: Walte	er Reed Army Inst (Locality)	titue of Research	(Last name) Setterstrom	
Duty Address: Walte	r Reed Army Inst	titue of Research	Setterstrom , Washington, DC 20307	
Duty Address: Walte	r Reed Army Inst	titue of Research	Setterstrom , Washington, DC 20307	
Duty Address: Walte	r Reed Army Inst	titue of Research	Setterstrom , Washington, DC 20307	
Date: 15 July State of City of County of District o	Washington Colonbya,	Typed Name of Inventor	Setterstrom , Washington, DC 20307	
Date: 15 July State of City of County of District o On the above date and who executed the force	Washington Colonbya,	Typed Name of Inventor	Setterstrom , Washington, DC 20307 (State) Jean A. Setterstrom	
Date: 15 July State of City of County of District o On the above date and who executed the force	Washington Colonbya,	Typed Name of Inventor	Setterstrom , Washington, DC 20307 (State) Jean A. Setterstrom	
Date: 15 July State of City of County of District o On the above date and who executed the foreect and deed.	Washington Colonbya,	Typed Name of Inventor	Setterstrom , Washington, DC 20307 (State) Jean A. Setterstrom	
Date: 15 July State of City of County of District o On the above date and who executed the force	Washington Colonbya,	Typed Name of Inventors knowneared before me and acknown	Setterstrom , Washington, DC 20307 (State) Jean A. Setterstrom	
Date: 15 July State of City of County of District o On the above date and who executed the foreect and deed.	Washington Colonbya,	Typed Name of Inventors knowneared before me and acknown	Setterstrom , Washington, DC 20307 (State) Jean A. Setterstrom The series of the individual described in reloged to me that the series as his own free series of notary public. ECOLIF CONTINES	_
Date: 15 July State of City of County of District o On the above date and who executed the foreect and deed.	Washington Colonbya,	Typed Name of Inventors knowneared before me and acknown	Setterstrom Nashington, DC 20307 (State) Jean A. Setterstrom The series of notary public in the series of notary public	
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Date: 15 July State of City of County of District o On the above date and who executed the foreect and deed.	Washington Colonbya,	Typed Name of Inventor:	Setterstrom Nashington, DC 20307 (State) Jean A. Setterstrom Jean A. Setterstrom The same as his own free state of notary public. ROQUE CORTINAS My Commission Fraise of COLUMB	

DA FORM 2874-R, APR 93

REPLACES DA FORM 2874-R. MAR 74, WHICH IS DESCLETE.

Page 4 of 6 Pages

Vacc	ines Against Int	racellular Pathogen	s Using Antigens	
- Enco	newleted Within	Rindegradable-Blocc	ubaciore microspheres	
Paul R. Burnett	, John E. Van Har	mont, Kobert H. Kei	d, Jean A. Setterstrom	,
Inventor(*):- Thomas	C. Van Cott, Deb	rah L. Birx 08/598,874		
*Application Serial No.:				_
*Date Oath Executed:		*Filing Date: Febru	ary 9, 1996	
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victure of the circumstance	es under which the above-e	ntitled invention was made, here		
and interest throughout th and application for patent application and any reissu	ne United States, its Territori and all Letters Patent issuin se or extension of said Letter	es, Possessions, and Puerto hick g thereon, and any continuation, s Patent.	etary of the Army, the entire right, title, in and to the above-entitled invention continuation-in-part or division of said	 ;
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	. /	4/	n Sa-	
Signature of Inventor:	ZInns		(Lest name)	-
	(First name)	(Middle Initial)	·	
5.44	Thomas	(County)	Van Cott ∞ 0	
Outy Address: 13 Tally	(Locality)	[County]	[State]	-
	6 11	_ Typed Name of Inventor:	omas C. VanCott	_
Date: 20- Aw	6 18	_ typec Neme of inventor		
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State of Marylan	1 33.			
County of 77187158	mesig		i	
On the above date			ne to be the individual described in	
and who executed the fore- act and deed.	going instrument duly appear	known to m red before me and acknowledged	to me that the same as his own free	
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act and deed.	going instrument duly appear	Mary K.	Hall s of notary public) The Dune 2000	

Vaccines Against Intracellular Pathogens Using Antigens
Title of loweries Encapsulated Within Biodegradable-Biocompatible Microspheres
Paul R. Burnett, John E. Van Hamont, Robert H. Reid, Jean A. Setterstrom,
Thomas C. van Cott, Debrah L. Birx
*Application Sarial No.: 08/598,874
*Date Oath Executed: *Filing Date: February 9, 1996
(*Data not known at execution may be added for better identification.)
I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virture of the circumstances under which the above-entitled invention was made, hereby:
1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.
2. Agree to essign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in ruch foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in Buhill of the Government and/or furtherance of the foreign policies of the Government.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents medicatery to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and reporting of title to patent applications and patents issuing thereon.
Tokanaw Big
Signature of Inventor: (First name) [Middle Initial] [Lest name]
Debrah L. Birx
5 1/2 20 0 11 Th at- and 1/2 at 2000
Duty Address: DUTE 300 13/07 GROCAUTE, 10 00 50 (Locality) (Siste)
Date: 22 August 96 Typed Name of Inventor: Deborah L. Birx
Sicio of May land
County of monte onen,
On the above date Debonc-L. Bies known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free and deed.
mary K. Hall
(SEAL) Signature of notary public)
My Commission expires on 19 une 2000

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REPLACES DA FORM 2874-R. MAR 74, WHICH 15

Peges 6 oí 6

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